

PE SERIES

DATAMAX THERMAL TRANSFER PRINT ENGINES



The PE Series by Datamax consists of rugged, industrial direct thermal/thermal transfer print engines for bar code labeling, developed exclusively for automatic label applicator systems.

Datamax's PE Series of high performance print engines is designed for demanding multi-shift, mission critical applications that require optimal throughput from an easy to operate, highly durable print engine.

The PE Series offers the industries widest selection of product configurations including: standard 203 or high resolution 300 dpi print density, left-hand and right-hand label output, as well as eco-friendly linerless and ribbon saver options.

THE PE SERIES FEATURES :

- Easy to operate design incorporates a drop-down pinch roller mechanism allowing full access to the media path, simplifying media loading and encouraging preventative maintenance.
- The PE42 print engine prints labels up to 4.1 inches wide by 12 inches long at 10 inches per second at a resolution of 203 dpi.
- For bar code labeling requiring high quality images, the PE43 print engine prints labels up to 4.16 inches wide by 15 inches long at 8 inches per second at a resolution of 300 dpi.

DATAMAX[®]

PE Series

DATAMAX THERMAL TRANSFER PRINT ENGINES

PRINTER TYPE

Direct thermal and thermal transfer

PRINTING SPEED

PE 42: 2" to 10"
(51mm to 254mm) per second
PE 43: 2" to 8"
(51mm to 203mm) per second

RESOLUTION

PE 42: 203 dpi (8 dots/mm)
PE 43: 300 dpi (12 dots/mm)

PRINT WIDTH

PE 42: 4.1" (104mm) max.
PE 43: 4.16" (105.7mm) max.

MEDIA WIDTH

5.5" (139.7mm) maximum;
1" (25mm) minimum

PRINT LENGTH

PE 42: .1" to 12"
(2.54mm to 305mm)
with standard RAM
PE 43: .1" to 15"
(2.54mm to 381mm)
with standard RAM

MEDIA TYPE

Roll-fed, die-cut or fan-fold labels;
most direct thermal or thermal
transfer materials

MEDIA THICKNESS

.0025" to .0100"
(.0635mm to .254mm)

MEDIA SENSING

Movable "see-through" for die-cut
labels and tags; reflective sensor
for media with black stripe sensing

LCD DISPLAY/CONTROL PANEL

Three primary operational keys
include: PAUSE/ON-LINE, FEED
and CANCEL. Six additional
keys allow operator to run various
maintenance tests, configure the
printer for different communication,
interface options and
customize label parameters; three
LEDs visible at all times:
POWER, PAPER/RIBBON and
PAUSE; remote and/or rotatable
keypad and display can be mounted
up to 25" (7.6m) from
applicator

CABINET

Cabinetry of non-vented metal
construction

RIBBONS

Industry-standard ribbon on
1" cores: 25mm, 38mm, 51mm,
76mm, 89mm, 102mm, 110mm,
114mm; 1970' (600m) maximum
length

BAR CODES

Code 39, Interleaved 2 of 5,
Code 128 (subsets A, B and C),
Codabar, LOGMARS, UPC-A,
UPC-E, UPC 2 & 5 digit
addendums, EAN-8, EAN-13,
EAN 2 & 5 digit addendums,
UPC random weight, Code 93,
Plessey, Universal Shipping
Container symbology, UCC/EAN
Code 128, Postnet, PDF417, Code
128 MOD 43, UPS MaxiCode,
FIM, Telepen, Interleaved 2 of 5
MOD 10 and HIBC.

RESIDENT FONTS

Nine alphanumeric fonts from
.035"H (.89mm) to .42"H (16mm)
and OCR-A, OCR-B; CG
Triumvirate™ from AGFA® in
both Portrait and Landscape orientations
(from 6 to 48 point sizes)

SCALABLE FONT

CG Triumvirate™ Bold
Condensed; ability to download
True Type and Intellifont font
formats.

CHARACTER SET

Modified IBM® Code Page 850;
includes characters for English and
most European, Scandinavian and
Spanish speaking countries.

FONT EXPANSION , ROTATION

All fonts expandable vertically
and horizontally up to 24x; fonts
and graphics can be printed in four
directions: 0°, 90°, 180°, 270°

GRAPHICS SUPPORT

.PCX, .BMP and .IMG files

REVERSE IMAGE / MIRROR IMAGE

Any font or graphic field can be
printed in normal, reverse or
mirror image

BUILT-IN DRAM

PE 42: 512KB
PE 43: 1MB

INTERFACES

RS-232, RS-422, RS-485, parallel
and secondary RS-232

POWER SOURCE

115 or 220 VAC, 50/60 Hz;
auto-ranging, switching
power source

OPERATING ENVIRONMENT

40°F to 100°F (4°C to 38°C)
10% to 95% non-condensing
relative humidity

DIMENSIONS

11.81"H x 9.65"W x 15.1"D
300mmH x 245mmW x 384mmD

WEIGHT

27 lbs. (12.3kg)

OPTIONS**300 DPI**

Printhead 300 dpi (12 dots/mm),
4.16" (105.7mm) print width
(factory installed)

LEFT-H AND

Left-hand model for system
configuration flexibility

LINERLESS

Linerless model with cutter for use
with eco-friendly linerless label
material (factory installed)

512K FLASH C ARTRIDGE

Used for permanent storage of
custom fonts, formats and graphics

DRAM EXPANSION

On-board memory DRAM
expansion of 4MB total for
expanded print length, addressable
on-board memory and scalable
font character cache

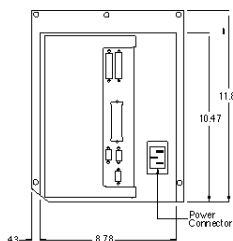
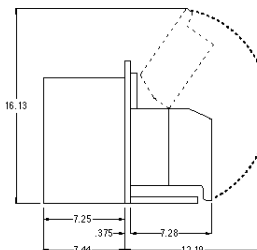
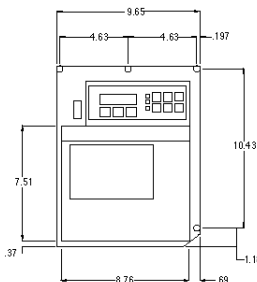
RIBBON SAVER

Eliminates ribbon waste when
feeding past non-printing areas
(factory installed)

AGENCY LISTING

Built to UL, CSA and TUV-GS
safety standards and VDE Class B,
FCC Class A emissions standards
and CE Mark

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92-2150-01 RevA

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